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RSC Analyticode

Monday 16th March 2026
Burlington House, London, UK

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RSC INTEREST GROUP
CHEMICAL INFORMATION AND COMPUTER APPLICATIONS GROUP

ROYAL SOCIETY OF **CHEMISTRY** | ANALYTICAL SCIENCE COMMUNITY SOUTH EAST REGION

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Synopsis

The life sciences sector is undergoing a profound transformation. Advances in automation, next-generation analytical technologies, and computational chemistry are redefining how research is conducted, making it faster, smarter, and significantly more sustainable. As labs face mounting pressure to reduce waste, cut reagent consumption, and embrace greener workflows, these integrated technologies have moved from “nice-to-have” to essential enablers of modern R&D.

This one-day conference brings together leaders in laboratory automation, analytical sciences, digital innovation, and computational chemistry to explore the practical and strategic steps required to build the lab of the future - one that delivers scientific excellence while meaningfully improving environmental impact.

Why This Event Matters

Traditional research workflows are resource-intensive, slow to scale, and vulnerable to human variability. By contrast, automated platforms, miniaturisation, and data-driven decision-making empower scientists to:

- Reduce reagent volumes and plastic waste through low-volume automation and microfluidic approaches
- Increase throughput without proportional environmental cost
- Improve the reliability and reproducibility of experiments
- Leverage computational models to prioritise experiments, reducing unnecessary runs
- Integrate analytical technologies that deliver richer insights from smaller samples

This convergence is unlocking opportunities not only for efficiency and insight - but also for more responsible stewardship of resources across the research value chain.

Who Should Speak & What Speakers Can Expect

We are seeking experts from: Pharma and biotech R&D, CROs and CDMOs, Academic and translational research labs, Technology providers in automation, robotics, instruments, and software, AI and computational science innovators, Sustainability specialists focused on scientific operations. Both technical deep dives and high-level strategic perspectives are welcome.

This event offers a highly engaged audience of researchers, R&D leaders, automation specialists, and digital innovators. Speakers will be part of a curated programme designed to spark collaboration, showcase best practices, and advance the shared mission of building a more sustainable, data-driven, and efficient future for life sciences research.

Core Themes of the Event

- Sustainable Lab Automation
- Analytical Innovation
- Computational Chemistry & AI
- Digital & Data Integration
- Sustainability Metrics

Conference Website

Please click here to visit the conference website